

Environmental Services Division
Laboratory Analysis

General Chemistry

Alkalinity, Total	\$26.00
BOD ₅ Day	\$35.00
Bromide	\$27.00
Calcium, Dissolved (EDTA)	\$26.00
CBOD ₅ Day	\$38.00
Chloride	\$27.00
Chlorite	\$53.00
Chlorophyll- <i>a</i> /Pheophytin**	\$35.00
COD	\$36.00
Conductivity	\$23.00
Flouride	\$27.00
Hardness, Total	\$26.00
Nitrate+Nitrite	\$40.00
Nitrogen, Ammonia	\$29.00
Nitrogen, Nitrate	\$27.00
Nitrogen, Nitrite	\$27.00
Oil & Grease (HEM)	\$75.00
pH (Aqueous)	\$10.00
pH (Solid)	\$20.00
Phosphorus, Ortho	\$27.00
Phosphorus, Total	\$40.00
Sulfate	\$27.00
Solids, Total Dissolved (TDS)	\$24.00
Solids, Total Suspended (TSS/MLSS)	\$22.00
Solids, Volatile (VSS/MLVSS)	\$22.00
Temperature**	\$11.00
Total Organic Carbon (TOC)	\$41.00
Turbidity	\$18.00

Microbiological Analysis

Coliform, Total (A/P Colilert®)	\$16.00
<i>E. coli</i> (MPN Colilert®)	\$30.00
<i>Enterococcus</i> (MPN Enterolert®)	\$30.00

Auto-sampling Fees

Equipment Rental (per day)	\$50.00
Labor (per hour)	\$25.00
Mileage	\$0.57

Miscellaneous Fees

Sample Filtration	\$10.00
Calculation Fee	\$10.00
Field Monitoring	Quote

Subcontracted Testing

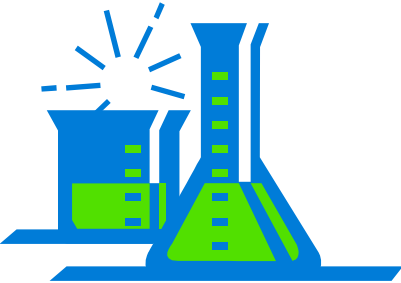
Additional analyses not listed above are available for testing by one of our subcontract NELAP accredited laboratories. Pricing is available by quote for the analyses not listed here.

**Not available for NELAP accreditation.

[October 1, 2014]

ESD and
Laboratory Services

The Environmental Services Division and Laboratory Services are committed to providing scientifically defensible analytical data to our clients at low cost. Our experienced staff, state-of-the-art equipment, and quality assurance policies are dedicated to meeting the most rigorous standards, both in the laboratory and in the field. All of our analytical methods conform to federal, state, and/or local regulatory guidelines. The ESD is fully equipped to collect and analyze routine and special field parameters, and conduct environmental studies.



Emergency Lab Services

Emergency Laboratory Service is available after hours and on weekends 24/7 for drinking water bacteria studies. The fee for this emergency service is \$35 plus the standard analysis fee. For emergency lab services, please call:

940-636-8024

Red River Authority of Texas
PO Box 240
Wichita Falls TX 76307-0240



Environmental
Services
Laboratory



T104704274-14-8

Contact Information:

Phone: (940) 723-1717

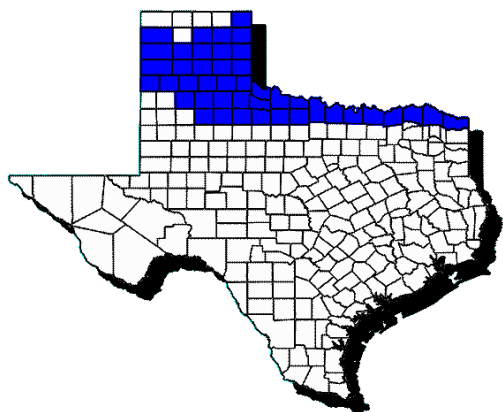
Fax: (940) 723-6529

E-mail: lab@rra.texas.gov

What is the Red River Authority of Texas?



The Red River Authority of Texas was created in 1959 by Acts of the 56th Legislature as a conservation and reclamation district, a political subdivision of the State of Texas. The legal jurisdiction of the Authority is defined as all or any county partially lying within the watershed of the Red River in Texas. The total complement is 43 Texas counties.



The Authority's Mission is the orderly conservation, reclamation, protection, and development of the water resources throughout the Red River Basin for the benefit of the public.

The Environmental Services Division

The Environmental Services Division [ESD] is an integral component of the Authority, and is comprised of a dedicated and well trained professional staff. The principal purpose of the ESD is to control and/or abate any possible threat of pollution to the environment and the water resources through routine monitoring of the Red River Basin. A variety of specialized services can be designed to meet analytical needs of the largest organization or a single individual. Assistance may be provided for special site assessments, field investigations, and reporting on behalf of counties, municipalities, water districts, and water supply corporations, as well as industries engaged in permitting of water and wastewater facilities located within the Red River Basin in Texas. Specific contract services available for both laboratory and field reconnaissance include:

- Complete water and wastewater laboratory services
- Biological Assessments
- Receiving Water Assessments
- Environmental Impact Assessments
- Watershed/Waterbody Assessments
- Pollution Complaint Investigations
- GPS Surveys and Digital Mapping
- Use Attainability Assessments
- General Habitat Assessments
- Flow Measurements
- Sample Collections

The Environmental Services Laboratory

The ESD also offers a full line of analytical procedures to monitor effluent discharges, drinking water, and solids. The ESD Laboratory is approved by the Texas Commission on Environmental Quality (TCEQ) to perform bacteriological testing on drinking water, and has been awarded NELAP accreditation by TCEQ to perform numerous analytical methods on drinking water, non-potable water, and solid matrices. This includes procedures routinely associated with wastewater treatment plants, non-point source assessments, self monitoring requirements, and other compliance testing for state or local reporting.

All samples submitted are controlled to prevent tampering and assure positive identification through all steps of handling, preparation, and analysis. Access to the laboratory is restricted. A Chain of Custody form is utilized to track the sample from time of collection to time of arrival in the laboratory. A unique identifier is associated with each sample, and carried through all steps from receipt to final reporting, thereby positively identifying a sample to a Chain of Custody.

A strong quality assurance program is the backbone of the ESD Laboratory. Only EPA approved and NELAP accredited methods are employed by the laboratory. Technicians can only perform methods for which they have demonstrated capability of performing. Every batch of samples includes extensive quality control

samples to assure reproducibility and accuracy. This is accomplished with blank, replicate, and matrix spiked samples. Blind proficiency studies are performed at a minimum of twice a year on every analytical method offered. NELAP accreditation can only be maintained by successful analysis of these samples. Only NIST (National Institute of Standards and Technology) traceable reagents, pipets, and weights are utilized. All balances, meters, analyzers, and incubators are verified on each day of use with NIST reference standards to help assure day to day consistency in results. Equipment is maintained with a preventive maintenance program by either the staff or contract maintenance. Maintenance records are kept to track instrument performance. All members of the laboratory staff are required to sign and follow a strict ethics statement. Annual internal audits of all departments and the quality management system help ensure that all stated procedures are followed and any non-compliant work is properly documented and corrective actions taken.

Most routine analyses are performed in house, with quick turn around time. For those analyses for which laboratory is not accredited, only NELAP accredited reference laboratories are utilized which follow the same strict standards as the ESD laboratory.

